

MonoPower Large Half Cells

ASP MD-156 Series 580W-595W

Monocrystalline PV-module



QUALITY & RELIABILITY

Best raw materials, optimized production process and accurate testing makes the quality difference



GERMAN ENGINEERING

Best design by the art of German engineering



SAVE INVESTMENT

Product warranty of 12 years and performance warranty of 25 years



POSITIVE PERFORMANCE TOLERANCE

Up to +5 W plus-tolerance on output



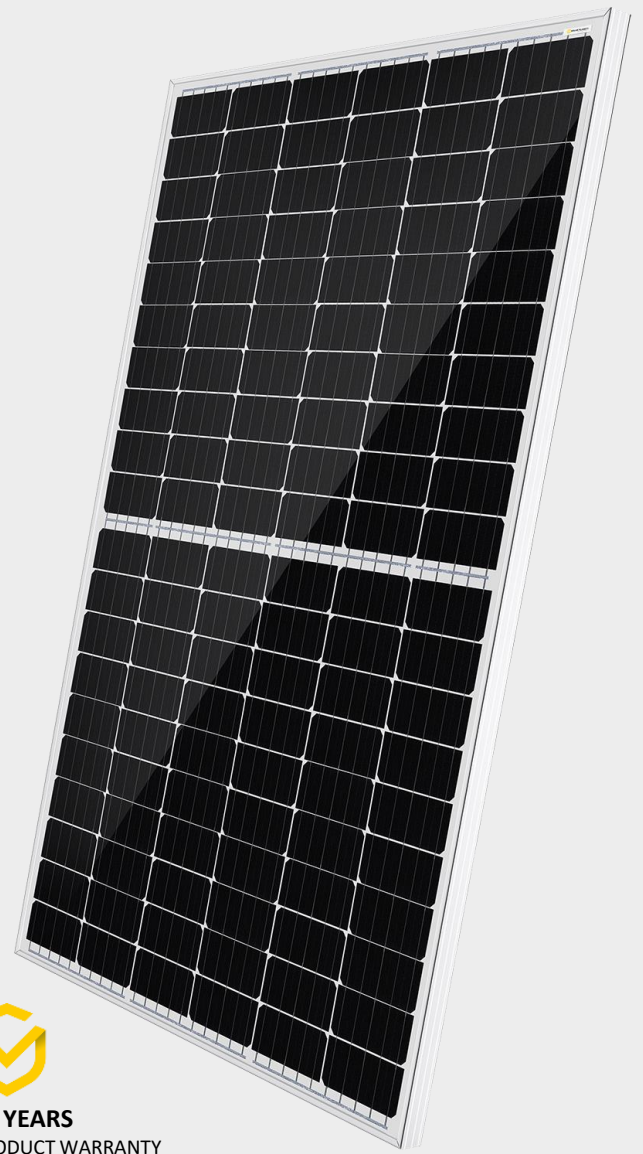
FOR ALL ENVIRONMENTAL CONDITIONS

Resistant against PID, sand, salt and ammonia



STABLE AND STRONG

Capable to bear heavy snow loads up to 5400 Pa and wind loads up to 2400 Pa

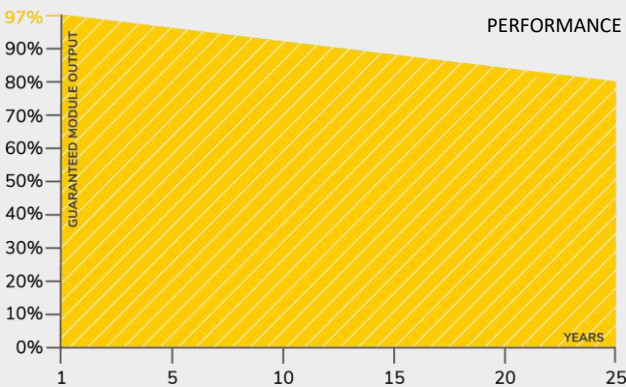


12 YEARS
PRODUCT WARRANTY

OUR PERFORMANCE GUARANTEE



25 YEARS
PERFORMANCE GUARANTEE



CERTIFICATES



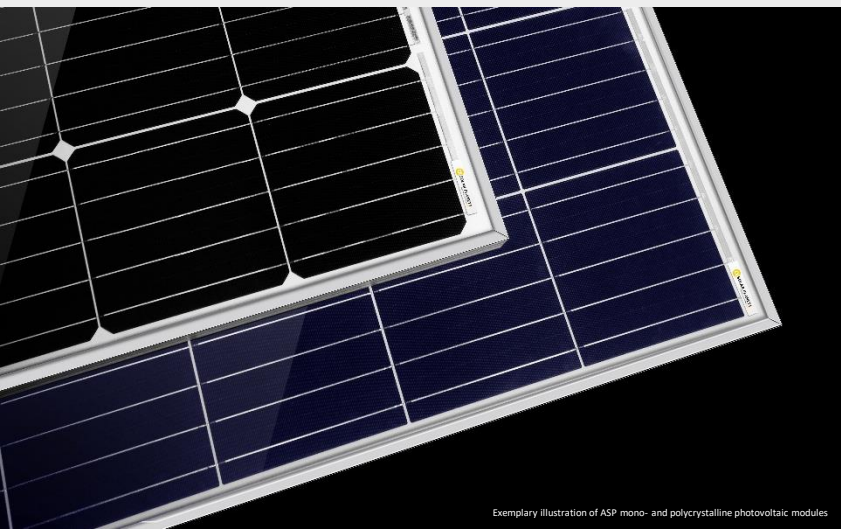
IEC 61215
IEC 61730
PERIODICAL
INCEPTION



PID RESISTANT
SALT MIST RESISTANT
SAND RESISTANT
CORROSIVE GAS (NH₃)



**Quality
Diligence
Durability**



MonoPower Large Half Cells

ASP MD-156 Series 580W-595W

TECHNICAL DATA

		ASP580MD-156	ASP585MD-156	ASP590MD-156	ASP595MD-156
Maximum power	P _{max} (Wp)	580	585	590	595
Maximum power voltage	V _{mp} (V)	45.45	45.67	45.88	46.05
Maximum power current	I _{mp} (A)	12.76	12.81	12.86	12.92
Open-circuit voltage	V _{oc} (V)	54.65	54.92	55.18	55.45
Short-circuit current	I _{sc} (A)	13.52	13.57	13.62	13.67
Module efficiency	%	20.8	20.9	21.1	21.3
Power tolerance	P _{max} (W)		0/+5		
Maximum system voltage DC	V		1500		
Operating temperature	°C		-40 to +85		
Temperature coefficients of P _{max}	%/°C		-0.350		
Temperature coefficients of V _{oc}	%/°C		-0.275		
Temperature coefficients of I _{sc}	%/°C		0.045		
Nominal operating cell temp. (NOCT)	°C		45±2		

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C.

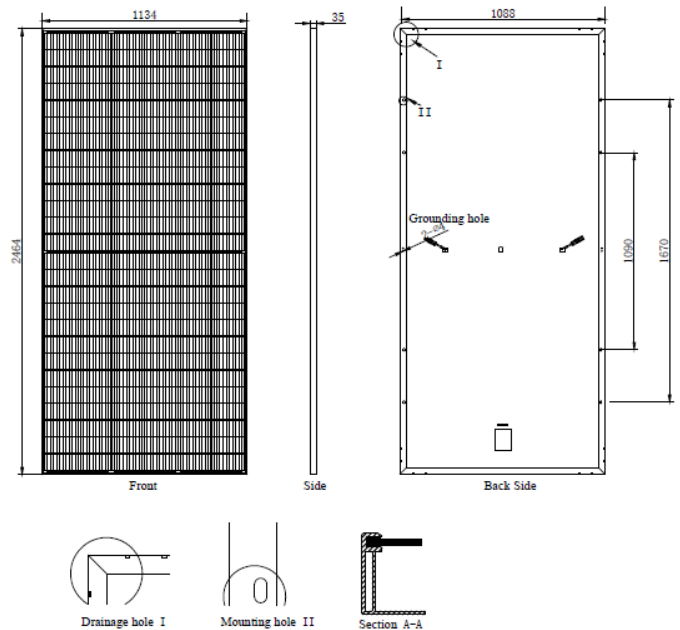
MATERIAL CHARACTERISTICS

Cell type	Monocrystalline 182 x 91 mm
No. of cells	156 (6 x 26)
Dimensions	2464 x 1134 x 35 mm
Weight	29.0 kg
Junction box	IP68 rated
Output cable	4.0 mm ² , 350 mm length
Connector type	MC4 / MC4 compatible
Hail resistance	Max. Ø 25 mm, at 23 m/s
Wind load	2400 Pa / 244 kg / m ²
Mechanical load	5400 Pa / 550 kg / m ²

PACKING INFORMATION

Packing configuration	62 pcs / double pallet
Loading capacity	496 pcs / 40 HQ
Size / pallet	2500 x 1140 x 2490 mm
Weight	1930 kg / double pallet

DRAWINGS



Alpha Solar Planet GmbH
Döllgaststr. 4, 86199 Augsburg
GERMANY

Tel.: +49 821 99972360
Fax: +49 821 99972369

E-mail: sales@a-s-p.solar
Web: www.a-s-p.solar

